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Acetylcholine receptor
J. P. Merlie
Biogenesis of the Acetylcholine Receptor, a Multisubunit Integral Membrane Protein, *36*, 573–575, 1984

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Biosynthesis of Polyprotein Precursors to Regulatory Peptides, *30*, 1–2, 1982

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Molecular Genetics of Symbiotic Nitrogen Fixation, *29*, 1–2, 1982

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Short Interspersed Repetitive DNA Elements in Eucaryotes: Transposable DNA Elements Generated by Reverse Transcription of RNA Pol III Transcripts?, *26*, 141–142, 1981

M. F. Singer
SINEs and LINEs: Highly Repeated Short and Long Interspersed Sequences in Mammalian Genomes, *28*, 433–434, 1982

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Antibodies to Chemically Synthesized Peptides Predicted from DNA Sequences as Probes of Gene Expression, *23*, 309–310, 1981

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New Views of the Biochemistry of Eucaryotic DNA Replication Revealed by Aphidicolin, an Unusual Inhibitor of DNA Polymerase Alpha, *23*, 647–648, 1981

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The Elements of the Bithorax Complex, *35*, 595–601, 1983

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Evolution of the Proteases of Blood Coagulation and Fibrinolysis by Assembly from Modules, *41*, 657–663, 1985

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B. Lewin
Alternatives for Splicing: an Intron-Coded Protein, *22*, 645–646, 1980

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Actin Binding Proteins of the Brush Border, *35*, 11–13, 1983

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Specific Chromosomal Translocations and the Genesis of B-Cell-Derived Tumors in Mice and Men, *32*, 311–315, 1983

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R. Adelstein
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Expression of Spectrin in Nonerythroid Cells, *31*, 505–508, 1982

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mRNA Cap Binding Proteins: Essential Factors for Initiating Translation, *40*, 223–224, 1984

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Poliovirus-Induced Inhibition of Host-Cell Protein Synthesis, *28*, 435–436, 1982

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Carcinogens Induce Targeted Mutations in Escherichia coli, *31*, 5–7, 1982

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How Cyclic AMP and its Receptor Protein Act in E. coli, *29*, 287–289, 1982

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Serum-Free Cell Culture: a Unifying Approach, *22*, 649–655, 1980

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Cell Migrations in Embryos, *38*, 353–360, 1984

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Genetic Approaches to Cyclic AMP Effects in Cultured Mammalian Cells, *22*, 329–330, 1980

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Organizing Microtubules in the Cytoplasm, *22*, 331–332, 1980

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Yeast Centromeres: Structure and Function, *37*, 351–353, 1984

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The Molecular Genetics of Hemophilia: Blood Clotting Factors VIII and IX, *42*, 405–406, 1985

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Specific Chromosomal Translocations and the Genesis of B-Cell-Derived Tumors in Mice and Men, *32*, 311–315, 1983

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Biological Clocks in Drosophila: Finding the Molecules That Make Them Tick, *43*, 3–4, 1985

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The Yeast Plasmid 2μ Circle, *28*, 203–204, 1982

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Circumsporozoite Proteins of Malaria Parasites, *42*, 401–403, 1984

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Biological Clocks in Drosophila: Finding the Molecules That Make Them Tick, *43*, 3–4, 1985

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M. F. Bretscher and B. M. F. Pearse
Coated Pits in Action, *38*, 3–4, 1984

S. C. Harrison and T. Kirchhausen
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M. S. Brown, R. G. W. Anderson, and J. L. Goldstein
Recycling Receptors: The Round-Trip Itinerary of Migrant Membrane Proteins, *32*, 663–667, 1983

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Unorthodox Codon Reading and the Evolution of the Genetic Code, *23*, 305–306, 1981

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Multistep Assembly of Type I Collagen Fibrils, *28*, 197–198, 1982

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The Granulocyte-Macrophage Colony Stimulating Factors, *43*, 5–6, 1985

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The Sequential Compartmentalization of Drosophila Segments Revisited, *41*, 361–364, 1985

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The Elements of the Bithorax Complex, *35*, 595–601, 1983

P. A. Lawrence
The Cellular Basis of Segmentation in Insects, *26*, 3–10, 1981

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Compartmental Organization of the Golgi Stack, *42*, 13–21, 1984

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Metallothioneins: Proteins in Search of Function, *41*, 9–10, 1984

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Role of RNA Priming in Viral and Trypanosomal mRNA Synthesis, *41*, 651–652, 1985

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DNA Choreography, *25*, 293–295, 1981

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Lens Crystallins and Their Gene Families, *38*, 620–621, 1984

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Specification of Cell Fate by Cytoplasmic Determinants in Ascidian Embryos, *41*, 11–12, 1984

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The Plant Mitochondrial Genome and its Mutants, *32*, 659–661, 1983

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How Do Eucaryotic Cells Construct Their Cytoarchitecture?, *24*, 4–5, 1981

D. Branton, C. M. Cohen, and J. Tyler
Interaction of Cytoskeletal Proteins on the Human Erythrocyte Membrane, *24*, 24–32, 1981

M. S. Mooseker
Actin Binding Proteins of the Brush Border, *35*, 11–13, 1983

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Replication of Animal Mitochondrial DNA, *28*, 693–705, 1982

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Apurinic Sites as Mutagenic Intermediates, *40*, 483–484, 1984

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The Molecular Biology of Intermediate Filaments, *42*, 411–419, 1984

E. Lazarides
Intermediate Filaments—Chemical Heterogeneity in Differentiation, *23*, 649–650, 1981

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R. A. Lazzarini, J. D. Keene, and M. Schubert
The Origins of Defective Interfering Particles of the Negative-Strand RNA Viruses, *26*, 145–154, 1981

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Polyoma Regulatory Region: A Potential Probe for Mouse Cell Differentiation, *43*, 561–562, 1985

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U. Siebenlist, R. B. Simpson, and W. Gilbert
E. coli RNA Polymerase Interacts Homologously with Two Different Promoters, *20*, 269–281, 1980

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DNA Packaging by the Double-Stranded DNA Bacteriophages, *21*, 319–331, 1980

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J. A. Huberman
New Views of the Biochemistry of Eucaryotic DNA Replication Revealed by Aphidicolin, an Unusual Inhibitor of DNA Polymerase Alpha, *23*, 647–648, 1981

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Genetic Control of the SOS System in E. coli, *23*, 1–2, 1981

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Ultraviolet Light Repair and Mutagenesis Revisited, *33*, 13–17, 1983

L. A. Loeb
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Bacteriophage T7: Minimal Requirements for the Replication of a Duplex DNA Molecule, *33*, 315–317, 1983

D. A. Clayton
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The Path of DNA in the Nucleosome, *29*, 724–726, 1982

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DNA Choreography, *25*, 293–295, 1981

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DNAase I-Hypersensitive Sites of Chromatin, *27*, 413–415, 1981

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The *rpsU-dnaG-rpoD* Macromolecular Synthesis Operon of E. coli, *39*, 251–252, 1984

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An Assessment of the Ecdysteroid Receptor of Drosophila, *30*, 7–8, 1982

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Growth Factors: Mechanism of Action and Relation to Oncogenes, *37*, 9–20, 1984

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Properties of the Receptor for Epidermal Growth Factor, *37*, 357–358, 1984

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Adenovirus Gene Expression: Control at Multiple Steps of mRNA Biogenesis, *28*, 1–2, 1982

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Transcription Control by Oncogenes, *41*, 3–5, 1985

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Calcium Ions, Electrical Currents and the Choregoraphy of (Some) Eucaryotic Cells, *22*, 5–6, 1980

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Sodium Channels in Electrically Excitable Cells, *30*, 672–674, 1982

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E. coli Ribosomal Protein Operons: The Case of the Misplaced Genes, *42*, 7–8, 1984

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The Homeo Box and Mammalian Development, *43*, 1–2, 1985

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Perturbation of Vesicular Traffic with the Carboxylic Ionophore Monensin, *32*, 1026–1028, 1983

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Immunotoxins: Redirecting Nature's Poisons, *41*, 653–654, 1984

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Recycling Receptors: The Round-Trip Itinerary of Migrant Membrane Proteins, *32*, 663–667, 1983

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Yeast Promoter: Positive and Negative Elements, *36*, 799–800, 1984

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Role of the *v-erbA* and *v-erbB* Oncogenes of Avian Erythroblastosis Virus in Erythroid Cell Transformation, *34*, 7–9, 1983

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Assembly and Topogenesis of the Spectrin-Based Membrane Skeleton in Erythroid Development, *37*, 354–356, 1984

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Interaction of Cytoskeletal Proteins on the Human Erythrocyte Membrane, *24*, 24–32, 1981

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On the Origin of RNA Splicing and Introns, *42*, 397–400, 1985

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A One and a Half Receptor Model for MHC-Restricted Antigen Recognition by T Lymphocytes, *41*, 13–16, 1985

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Gene Amplification in Cultured Animal Cells, *37*, 705–713, 1984

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The Double-Strand-Break Repair Model for Recombination, *33*, 25–35, 1983

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Gene Conversion: Some Implications for Immunoglobulin Genes, *24*, 592–594, 1981

G. A. Dover and R. B. Flavell
Molecular Coevolution: rDNA Divergence and the Maintenance of Function, *38*, 622–623, 1984

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R. D. Palmiter and R. L. Brinster
Transgenic Mice, *41*, 343–345, 1984

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D. D. Brown
The Role of Stable Complexes that Repress and Activate Eucaryotic Genes, *37*, 359–365, 1984

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R. A. Firtel
Multigene Families Encoding Actin and Tubulin, *24*, 6–7, 1981

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Lens Crystallins and Their Gene Families, *38*, 620–621, 1984

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Globin Pseudogenes, *28*, 683–684, 1982

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Thalassemia Revisited, *29*, 7–9, 1982

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D. D. Moore, M. A. Conkling, and H. M. Goodman
Human Growth Hormone: A Multigene Family, *29*, 285–286, 1982

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R. W. Old and H. R. Woodland
Histone Genes: Not So Simple After All, *38*, 624–626, 1984

C. C. Hentschel and M. L. Birnstiel
The Organization and Expression of Histone Gene Families, *25*, 301–313, 1981

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P. Early and L. Hood
Allelic Exclusion and Nonproductive Immunoglobulin Gene Rearrangements, *24*, 1–3, 1981

R. P. Perry
Consequences of myc Invasion of Immunoglobulin Loci: Facts and Speculations, *33*, 647–649, 1983

D. Baltimore

Gene Conversion: Some Implications for Immunoglobulin Genes, *24*, 592–594, 1981

K. B. Marcu
Immunoglobulin Heavy-Chain Constant-Region Genes, *29*, 719–721, 1982

D. Baltimore
Somatic Mutation Gains Its Place among the Generators of Diversity, *26*, 295–296, 1981

A. Shimizu and T. Honjo
Immunoglobulin Class Switching, *36*, 801–803, 1984

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R. A. Firtel
Multigene Families Encoding Actin and Tubulin, *24*, 6–7, 1981

D. W. Cleveland
The Tubulins: From DNA to RNA to Protein and Back Again, *34*, 330–332, 1983

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Unorthodox Codon Reading and the Evolution of the Genetic Code, *23*, 305–306, 1981

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The Invertible G Segment of Phage Mu, *21*, 605–606, 1980

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Site-Specific Inversion: Enhancers, Recombination Proteins, and Mechanism, *41*, 649–650, 1985

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D. J. Weatherall and J. B. Clegg
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Perturbation of Vesicular Traffic with the Carboxylic Ionophore Monensin, *32*, 1026–1028, 1983

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Growth Factors: Mechanism of Action and Relation to Oncogenes, *37*, 9–20, 1984

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The Molecular Biology of Platelet-Derived Growth Factor, *33*, 653–655, 1983

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D. D. Moore, M. A. Conkling, and H. M. Goodman
Human Growth Hormone: A Multigene Family, *29*, 285–286, 1982

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I. Mittra
Somatomedins and Proteolytic Bioactivation of Prolactin and Growth Hormone, *38*, 347–348, 1984

H-Y antigen
W. K. Silvers, D. L. Gasser, and E. M. Eicher
H-Y Antigen, Serologically Detectable Male Antigen and Sex Determination, *28*, 439–440, 1982

H-Y gene
S. S. Wachtel
Where is the H-Y Structural Gene?, *22*, 3–4, 1980

Hemophilia
R. M. Lawn
The Molecular Genetics of Hemophilia: Blood Clotting Factors VIII and IX, *42*, 405–406, 1985

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E. S. Golub
In Vitro Approaches to Hemopoiesis, *28*, 687–688, 1982

D. Metcalf
The Granulocyte-Macrophage Colony Stimulating Factors, *43*, 5–6, 1985

R. Levenson and D. Housman
Commitment: How Do Cells Make the Decision to Differentiate, *25*, 5–6, 1981

T. Graf and H. Beug
Role of the v-erbA and v-erbB Oncogenes of Avian Erythroblastosis Virus in Erythroid Cell Transformation, *34*, 7–9, 1983

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A. J. Hilliker, R. Appels, and A. Schalet
The Genetic Analysis of D. melanogaster Heterochromatin, *21*, 607–619, 1980

Heteroduplex joint
C. M. Radding
Recombination Activities of E. coli RecA Protein, *25*, 3–4, 1981

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N. L. Craig
Site-Specific Inversion: Enhancers, Recombination Proteins, and Mechanism, *41*, 649–650, 1985

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L. Hood, M. Steinmetz, and R. Goodenow
Genes of the Major Histocompatibility Complex, *28*, 685–687, 1982

E. A. Boyse
The Biology of Tla, *38*, 1–2, 1984

J. F. Kaufman, C. Auffray, A. J. Korman, D. A. Shackelford, and J. Strominger
The Class II Molecules of the Human and Murine Major Histocompatibility Complex, *36*, 1–13, 1984

H. L. Ploegh, H. T. Orr, and J. L. Strominger
Major Histocompatibility Antigens: The Human (HLA-A,-B,-C) and Murine (H-2K,H-2D) Class I Molecules, *24*, 287–299, 1981

M. Cohn
The T-Cell Receptor Mediating Restrictive Recognition of Antigen, *33*, 657–669, 1983

M. Kronenberg, E. Kraig, and L. Hood
Finding the T-Cell Antigen Receptor: Past Attempts and Future Promise, *34*, 327–329, 1983

E. S. Golub
Know Thyself: Autoreactivity in the Immune Response, *21*, 603–604, 1980

Histone genes
R. W. Old and H. R. Woodland
Histone Genes: Not So Simple After All, *38*, 624–626, 1984

C. C. Hentschel and M. L. Birnstiel
The Organization and Expression of Histone Gene Families, *25*, 301–313, 1981

Histone mRNA
M. L. Birnstiel
Transcription Termination and 3′ Processing: The End Is in Site!, *41*, 349–359, 1984

HLA
H. L. Ploegh, H. T. Orr, and J. L. Strominger
Major Histocompatibility Antigens: The Human (HLA-A,-B,-C) and Murine (H-2K,H-2D) Class I Molecules, *24*, 287–299, 1981

Homeo box
W. J. Gehring
The Homeo Box: A Key to the Understanding of Development?, *40*, 3–5, 1984

J. L. Manley and M. S. Levine
The Homeo Box and Mammalian Development, *43*, 1–2, 1985

Homeotic genes
W. J. Gehring
The Homeo Box: A Key to the Understanding of Development?, *40*, 3–5, 1984

W. Bender
Homeotic Gene Products as Growth Factors, *43*, 559–560, 1985

HTLV-III
A. B. Rabson and M. A. Martin
Molecular Organization of the AIDS Retrovirus, *40*, 477–480, 1985

Hypersensitive site
P. Borst and G. A. M. Cross
Molecular Basis for Trypanosome Antigenic Variation, *29*, 291–303, 1982

S. C. R. Elgin
DNAase I-Hypersensitive Sites of Chromatin, *27*, 413–415, 1981

Idiotype
E. S. Golub
Idiotypes and the Network Hypothesis, *22*, 641–642, 1980

Imaginal disc
D. L. Brower
The Sequential Compartmentalization of Drosophila Segments Revisited, *41*, 361–364, 1985

Immune response, malaria
V. Nussenzweig and R. S. Nussenzweig
Circumsporozoite Proteins of Malaria Parasites, *42*, 401–403, 1984

Immune tolerance
E. S. Golub
Immune Tolerance and Autoreactivity: Do They Point to a Regulatory Role of the Immune System for Normal Cell Function?, *27*, 417–418, 1981

Immunoglobulin class switching
M. M. Davis, S. K. Kim, and L. Hood
Immunoglobulin Class Switching: Developmentally Regulated DNA Rearrangements during Differentiation, *22*, 1–2, 1980

K. B. Marcu
Immunoglobulin Heavy-Chain Constant-Region Genes, *29*, 719–721, 1982

A. Shimizu and T. Honjo
Immunoglobulin Class Switching, *36*, 801–803, 1984

Immunoglobulin gene
P. Early and L. Hood
Allelic Exclusion and Nonproductive Immunoglobulin Gene Rearrangements, *24*, 1–3, 1981

R. P. Perry
Consequences of myc Invasion of Immunoglobulin Loci: Facts and Speculations, *33*, 647–649, 1983

D. Baltimore
Gene Conversion: Some Implications for Immunoglobulin Genes, *24*, 592–594, 1981

K. B. Marcu
Immunoglobulin Heavy-Chain Constant-Region Genes, *29*, 719–721, 1982

L. Hood, M. Kronenberg, and T. Hunkapiller
T Cell Antigen Receptors and the Immunoglobulin Supergene Family, *40*, 225–229, 1984

D. Baltimore
Somatic Mutation Gains Its Place among the Generators of Diversity, *26*, 295–296, 1981

Immunoglobulin, idiotype
E. S. Golub
Idiotypes and the Network Hypothesis, *22*, 641–642, 1980

Immunoglobulin, transport
K. E. Mostov and N. E. Simister
Transcytosis, *43*, 389–390, 1985

Immunotoxin
E. S. Vitetta and J. W. Uhr
Immunotoxins: Redirecting Nature's Poisons, *41*, 653–654, 1984

Influenza virus, mRNA
R. M. Krug
Role of RNA Priming in Viral and Trypanosomal mRNA Synthesis, *41*, 651–652, 1985

Initiation, protein synthesis
B. Safer
2B or Not 2B: Regulation of the Catalytic Utilization of eIF-2, *33*, 7–8, 1983

A. J. Shatkin
mRNA Cap Binding Proteins: Essential Factors for Initiating Translation, *40*, 223–224, 1984

Insulin receptor
M. P. Czech
Structural and Functional Homologies in the Receptors for Insulin and the Insulin-Like Growth Factors, *31*, 8–10, 1982

M. P. Czech
Structural and Functional Homologies in the Receptors for Insulin and the Insulin-Like Growth Factors, *31*, 8–10, 1982

Integration, retroviral
A. T. Panganiban
Retroviral DNA Integration, *42*, 5–6, 1985

Intermediate filament
E. Fuchs and I. Hanukoglu
Unraveling the Structure of the Intermediate Filaments, *34*, 332–334, 1983

M. Osborn and K. Weber
Intermediate Filaments: Cell-Type-Specific Markers in Differentiation and Pathology, *31*, 303–306, 1982

P. M. Steinert, A. C. Steven, and D. R. Roop
The Molecular Biology of Intermediate Filaments, *42*, 411–419, 1984

E. Lazarides
Intermediate Filaments—Chemical Heterogeneity in Differentiation, *23*, 649–650, 1981

Intron
B. Lewin
Alternatives for Splicing: Recognizing the Ends of Introns, *22*, 324–326, 1980

P. A. Sharp
On the Origin of RNA Splicing and Introns, *42*, 397–400, 1985

B. Lewin
Alternatives for Splicing: an Intron-Coded Protein, *22*, 645–646, 1980

B. Lewin
Alternatives for Splicing: an Intron-Coded Protein, *22*, 645–646, 1980

P. A. Sharp
Speculations on RNA Splicing, *23*, 643–646, 1981

Ion flux
A. B. Fulton
Calcium Ions, Electrical Currents and the Choregoraphy of (Some) Eucaryotic Cells, *22*, 5–6, 1980

IS element
M. P. Calos and J. H. Miller
Transposable Elements, *20*, 579–595, 1980

Keratin
R. Moll, W. W. Franke, D. L. Schiller, B. Geiger, and R. Krepler
The Catalog of Human Cytokeratins: Patterns of Expression in Normal Epithelia, Tumors and Cultured Cells, *31*, 11–24, 1982

P. M. Steinert, A. C. Steven, and D. R. Roop
The Molecular Biology of Intermediate Filaments, *42*, 411–419, 1984

E. Lazarides
Intermediate Filaments—Chemical Heterogeneity in Differentiation, *23*, 649–650, 1981

Kin mutation
M. M. Gottesman
Genetic Approaches to Cyclic AMP Effects in Cultured Mammalian Cells, *22*, 329–330, 1980

Kinetochore
J. D. Pickett-Heaps, D. H. Tippit, and K. R. Porter
Rethinking Mitosis, *29*, 729–744, 1982

Klebsiella
F. M. Ausubel
Molecular Genetics of Symbiotic Nitrogen Fixation, *29*, 1–2, 1982

F. M. Ausubel
Regulation of Nitrogen Fixation Genes, *37*, 5–6, 1984

Lactose operon
U. Siebenlist, R. B. Simpson, and W. Gilbert
E. coli RNA Polymerase Interacts Homologously with Two Different Promoters, *20*, 269–281, 1980

Lambda, cro
M. Ptashne, A. Jeffrey, A. D. Johnson, R. Maurer, B. J. Meyer, C. O. Pabo, T. M. Roberts, and R. T. Sauer
How the Lambda Repressor and Cro Work, *19*, 1–11, 1980

Lambda, integration
S. Gottesman
Lambda Site-Specific Recombination: The att Site, *25*, 585–586, 1981

Lambda, N protein
J. Greenblatt
Regulation of Transcription Termination by the N Gene Protein of Bacteriophage Lambda, *24*, 8–9, 1981

Lambda, repressor
M. Ptashne, A. Jeffrey, A. D. Johnson, R. Maurer, B. J. Meyer, C. O. Pabo, T. M. Roberts, and R. T. Sauer
How the Lambda Repressor and Cro Work, *19*, 1–11, 1980

Lambda, retroregulation
M. Gottesman, A. Oppenheim, and D. Court
Retroregulation: Control of Gene Expression from Sites Distal to the Gene, *29*, 727–728, 1982

Lariat
W. Keller
The RNA Lariat: A New Ring to the Splicing of mRNA Precursors, *39*, 423–425, 1984

Lectin
E. S. Vitetta and J. W. Uhr
Immunotoxins: Redirecting Nature's Poisons, *41*, 653–654, 1984

Leech
D. A. Weisblat
Segmentation and Commitment in the Leech Embryo, *42*, 701–702, 1985

Lentivirus
A. B. Rabson and M. A. Martin
Molecular Organization of the AIDS Retrovirus, *40*, 477–480, 1985

LexA
J. W. Little and D. W. Mount
The SOS-Regulatory System of E. coli, *29*, 11–22, 1982

lin-12 locus, C. elegans
W. Bender
Homeotic Gene Products as Growth Factors, *43*, 559–560, 1985

LINE DNA
M. F. Singer
SINEs and LINEs: Highly Repeated Short and Long Interspersed Sequences in Mammalian Genomes, *28*, 433–434, 1982

LTR, retroviral
A. T. Panganiban
Retroviral DNA Integration, *42*, 5–6, 1985

H. M. Temin
Function of the Retrovirus Long Terminal Repeat, *28*, 3–5, 1982

H. M. Temin
Structure, Variation and Synthesis of Retrovirus Long Terminal Repeats, *27*, 1–3, 1981

Lupus erythematosus
M. R. Lerner and J. A. Steitz
Snurps and Scyrps, *25*, 298–300, 1981

Lymphadenopathy virus (LAV)
A. B. Rabson and M. A. Martin
Molecular Organization of the AIDS Retrovirus, *40*, 477–480, 1985

Lymphocyte, B
F. Melchers and J. Andersson
B Cell Activation: Three Steps and Their Variation, *37*, 715–720, 1984

G. Klein
Specific Chromosomal Translocations and the Genesis of B-Cell-Derived Tumors in Mice and Men, *32*, 311–315, 1983

M. J. Potash
B Lymphocyte Stimulation, *23*, 7–8, 1981

Lymphocyte, T
E. S. Golub
Suppressor T Cells and their Possible Role in the Regulation of Autoreactivity, *24*, 595–596, 1981

M. Cohn
The T-Cell Receptor Mediating Restrictive Recognition of Antigen, *33*, 657–669, 1983

H. Cantor
Regulation of Immune Responses: Analysis with Lymphocyte Clones, *25*, 7–8, 1981

L. Hood, M. Kronenberg, and T. Hunkapiller
T Cell Antigen Receptors and the Immunoglobulin Supergene Family, *40*, 225–229, 1984

L. Hood, M. Kronenberg, and T. Hunkapiller
T Cell Antigen Receptors and the Immunoglobulin Supergene Family, *40*, 225–229, 1984

E. L. Reinherz and S. F. Schlossman
The Differentiation and Function of Human T Lymphocytes, *19*, 821–827, 1980

B. Pernis and R. Axel
A One and a Half Receptor Model for MHC-Restricted Antigen Recognition by T Lymphocytes, *41*, 13–16, 1985

Lysosome
J. Lenard and D. K. Miller
Uncoating of Enveloped Viruses, *28*, 5–6, 1982

A. M. Tartakoff
Perturbation of Vesicular Traffic with the Carboxylic Ionophore Monensin, *32*, 1026–1028, 1983

Macrophage
D. Metcalf
The Granulocyte-Macrophage Colony Stimulating Factors, *43*, 5–6, 1985

Malaria
V. Nussenzweig and R. S. Nussenzweig
Circumsporozoite Proteins of Malaria Parasites, *42*, 401–403, 1984

Mating type, yeast
R. Brent
Repression of Transcription in Yeast, *42*, 3–4, 1985

Membrane vesicles
T. A. Schroer and R. B. Kelly
In Vitro Translocation of Organelles along Microtubules, *40*, 729–730, 1985

Membrane, erythrocyte
E. Lazarides and R. T. Moon
Assembly and Topogenesis of the Spectrin-Based Membrane Skeleton in Erythroid Development, *37*, 354–356, 1984

D. Branton, C. M. Cohen, and J. Tyler
Interaction of Cytoskeletal Proteins on the Human Erythrocyte Membrane, *24*, 24–32, 1981

Membrane, nuclear
E. M. DeRobertis
Nucleocytoplasmic Segregation of Proteins and RNAs, *32*, 1021–1025, 1983

Metallothionein
M. Karin
Metallothioneins: Proteins in Search of Function, *41*, 9–10, 1984

Methotrexate
R. T. Schimke
Gene Amplification in Cultured Animal Cells, *37*, 705–713, 1984

Methylation
M. H. Wigler
The Inheritance of Methylation Patterns in Vertebrates, *24*, 285–286, 1981

D. V. Santi, C. E. Garrett, and P. J. Barr
On the Mechanism of Inhibition of DNA-Cytosine Methyltransferases by Cytosine Analogs, *33*, 9–10, 1983

P. A. Jones
Altering Gene Expression with 5-Azacytidine, *40*, 485–486, 1984

MHC antigen
J. F. Kaufman, C. Auffray, A. J. Korman, D. A. Shackelford, and J. Strominger
The Class II Molecules of the Human and Murine Major Histocompatibility Complex, *36*, 1–13, 1984

H. L. Ploegh, H. T. Orr, and J. L. Strominger
Major Histocompatibility Antigens: The Human (HLA-A,-B,-C) and Murine (H-2K,H-2D) Class I Molecules, *24*, 287–299, 1981

B. Pernis and R. Axel
A One and a Half Receptor Model for MHC-Restricted Antigen Recognition by T Lymphocytes, *41*, 13–16, 1985

E. S. Golub
Know Thyself: Autoreactivity in the Immune Response, *21*, 603–604, 1980

MHC genes
L. Hood, M. Steinmetz, and R. Goodenow
Genes of the Major Histocompatibility Complex, *28*, 685–687, 1982

L. Hood, M. Kronenberg, and T. Hunkapiller
T Cell Antigen Receptors and the Immunoglobulin Supergene Family, *40*, 225–229, 1984

Micrococcal nuclease
H. G. Zachau and T. Igo-Kemenes
Face to Phase with Nucleosomes, *24*, 597–598, 1981

Microinjection
R. D. Palmiter and R. L. Brinster
Transgenic Mice, *41*, 343–345, 1984

Microtubules
F. Solomon
Organizing Microtubules in the Cytoplasm, *22*, 331–332, 1980

J. D. Pickett-Heaps, D. H. Tippit, and K. R. Porter
Rethinking Mitosis, *29*, 729–744, 1982

T. A. Schroer and R. B. Kelly
In Vitro Translocation of Organelles along Microtubules, *40*, 729–730, 1985

U. W. Goodenough and J. E. Heuser
Outer and Inner Dynein Arms of Cilia and Flagella, *41*, 341–342, 1984

Minute mutation
D. L. Brower
The Sequential Compartmentalization of Drosophila Segments Revisited, *41*, 361–364, 1985

Mitochondrial DNA, replication
D. A. Clayton
Replication of Animal Mitochondrial DNA, *28*, 693–705, 1982

Mitochondrion, plant
C. S. Levings
The Plant Mitochondrial Genome and its Mutants, *32*, 659–661, 1983

Mitochondrion, protein transport
G. Schatz and R. A. Butow
How Are Proteins Imported into Mitochondria?, *32*, 316–318, 1983

Mitosis
J. D. Pickett-Heaps, D. H. Tippit, and K. R. Porter
Rethinking Mitosis, *29*, 729–744, 1982

MMS Operon
J. R. Lupski and G. N. Godson
The rpsU-dnaG-rpoD Macromolecular Synthesis Operon of E. coli, *39*, 251–252, 1984

MMTV
H. M. Temin
Function of the Retrovirus Long Terminal Repeat, *28*, 3–5, 1982

Modules, protein
L. Patthy
Evolution of the Proteases of Blood Coagulation and Fibrinolysis by Assembly from Modules, *41*, 657–663, 1985

Monensin
A. M. Tartakoff
Perturbation of Vesicular Traffic with the Carboxylic Ionophore Monensin, *32*, 1026–1028, 1983

Mutagenesis
W. A. Haseltine
Ultraviolet Light Repair and Mutagenesis Revisited, *33*, 13–17, 1983

L. A. Loeb
Apurinic Sites as Mutagenic Intermediates, *40*, 483–484, 1984

J. H. Miller
Carcinogens Induce Targeted Mutations in Escherichia coli, *31*, 5–7, 1982

Myc gene
R. P. Perry
Consequences of myc Invasion of Immunoglobulin Loci: Facts and Speculations, *33*, 647–649, 1983

G. Klein
Specific Chromosomal Translocations and the Genesis of B-Cell-Derived Tumors in Mice and Men, *32*, 311–315, 1983

Myoplasmic transfer
W. R. Jeffery
Specification of Cell Fate by Cytoplasmic Determinants in Ascidian Embryos, *41*, 11–12, 1984

N protein, lambda
W. W. Holmes, T. Platt, and M. Rosenberg
Termination of Transcription in E. coli, *32*, 1029–1032, 1983

J. Greenblatt
Regulation of Transcription Termination by the N Gene Protein of Bacteriophage Lambda, *24*, 8–9, 1981

Neural crest
N. M. Le Douarin
Cell Migrations in Embryos, *38*, 353–360, 1984

Neurofilaments
H. D. Robertson, A. D. Branch, and J. E. Dahlberg
Focusing on the Nature of the Scrapie Agent, *40*, 725–727, 1985

P. M. Steinert, A. C. Steven, and D. R. Roop
The Molecular Biology of Intermediate Filaments, *42*, 411–419, 1984

Neuron
J. H. P. Skene
Growth-Associated Proteins and the Curious Dichotomies of Nerve Regeneration, *37*, 697–700, 1984

F. Solomon
Guiding Growth Cones, *24*, 279–280, 1981

Nif gene
F. M. Ausubel
Molecular Genetics of Symbiotic Nitrogen Fixation, *29*, 1–2, 1982

F. M. Ausubel
Regulation of Nitrogen Fixation Genes, *37*, 5–6, 1984

Nitrogen fixation
F. M. Ausubel
Molecular Genetics of Symbiotic Nitrogen Fixation, *29*, 1–2, 1982

F. M. Ausubel
Regulation of Nitrogen Fixation Genes, *37*, 5–6, 1984

Notch locus, Drosophila
W. Bender
Homeotic Gene Products as Growth Factors, *43*, 559–560, 1985

Nucleoid
D. E. Pettijohn
Structure and Properties of the Bacterial Nucleoid, *30*, 667–669, 1982

Nucleosome phasing
H. G. Zachau and T. Igo-Kemenes
Face to Phase with Nucleosomes, *24*, 597–598, 1981

Nucleosome structure
J. C. Wang
The Path of DNA in the Nucleosome, *29*, 724–726, 1982

Nucleosome, bacterial
D. E. Pettijohn
Structure and Properties of the Bacterial Nucleoid, *30*, 667–669, 1982

Nucleus, protein import
E. M. DeRobertis
Nucleocytoplasmic Segregation of Proteins and RNAs, *32*, 1021–1025, 1983

NusA
J. Greenblatt
Regulation of Transcription Termination by the N Gene Protein of Bacteriophage Lambda, *24*, 8–9, 1981

Oncogene
C.-H. Heldin and B. Westermark
Growth Factors: Mechanism of Action and Relation to Oncogenes, *37*, 9–20, 1984

H. M. Temin
Function of the Retrovirus Long Terminal Repeat, *28*, 3–5, 1982

C. D. Stiles
The Molecular Biology of Platelet-Derived Growth Factor, *33*, 653–655, 1983

J. M. Bishop
Enemies Within: the Genesis of Retrovirus Oncogenes, *23*, 5–6, 1981

R. A. Weinberg
Fewer and Fewer Oncogenes, *30*, 3–4, 1982

T. Graf and H. Beug
Role of the v-erbA and v-erbB Oncogenes of Avian Erythroblastosis Virus in Erythroid Cell Transformation, *34*, 7–9, 1983

R. E. Kingston, A. S. Baldwin, and P. A. Sharp
Transcription Control by Oncogenes, *41*, 3–5, 1985

J. M. Bishop
Viral Oncogenes, *42*, 23–38, 1984

J. M. Bishop
Cancer Genes Come of Age, *32*, 1018–1020, 1983

Oncogenes, transgenic mice
R. D. Palmiter and R. L. Brinster
Transgenic Mice, *41*, 343–345, 1984

Operator, lambda
M. Ptashne, A. Jeffrey, A. D. Johnson, R. Maurer, B. J. Meyer, C. O. Pabo, T. M. Roberts, and R. T. Sauer
How the Lambda Repressor and Cro Work, *19*, 1–11, 1980

Operon
G. R. Bjork
E. coli Ribosomal Protein Operons: The Case of the Misplaced Genes, *42*, 7–8, 1984

PDGF
C.-H. Heldin and B. Westermark
Growth Factors: Mechanism of Action and Relation to Oncogenes, *37*, 9–20, 1984

C. D. Stiles
The Molecular Biology of Platelet-Derived Growth Factor, *33*, 653–655, 1983

Period locus, Drosophila
M. Rosbash and J. C. Hall
Biological Clocks in Drosophila: Finding the Molecules That Make Them Tick, *43*, 3–4, 1985

Phage DNA packaging
W. C. Earnshaw and S. R. Casjens
DNA Packaging by the Double-Stranded DNA Bacteriophages, *21*, 319–331, 1980

Phage Mu
M. P. Calos and J. H. Miller
Transposable Elements, *20*, 579–595, 1980

Phage Mu, inversion
M. M. Howe
The Invertible G Segment of Phage Mu, *21*, 605–606, 1980

Phage SPO1
R. Losick and J. Pero
Cascades of Sigma Factors, *25*, 582–584, 1981

Phage T4
F. J. Schmidt
RNA Splicing in Prokaryotes: Bacteriophage T4 Leads the Way, *41*, 339–340, 1985

Phage T7
U. Siebenlist, R. B. Simpson, and W. Gilbert
E. coli RNA Polymerase Interacts Homologously with Two Different Promoters, *20*, 269–281, 1980

C. C. Richardson
Bacteriophage T7: Minimal Requirements for the Replication of a Duplex DNA Molecule, *33*, 315–317, 1983

M. Gottesman, A. Oppenheim, and D. Court
Retroregulation: Control of Gene Expression from Sites Distal to the Gene, *29*, 727–728, 1982

Phage ϕ29
E. Wimmer
Genome-Linked Proteins of Viruses, *28*, 199–201, 1982

Phosphodiesterase
A. D. J. Robertson and J. F. Grutsch
Aggregation in Dictyostelium discoideum, *24*, 603–611, 1981

Phosphoinositide
P. W. Majerus, E. J. Neufeld, and D. B. Wilson
Production of Phosphoinositide-Derived Messengers, *37*, 701–703, 1984

Phosphorylation
R. O. Hynes
Phosphorylation of Vinculin by pp60src: What Might It Mean?, *28*, 437–438, 1982

T. Hunter
Proteins Phosphorylated by the RSV Transforming Function, *22*, 647–648, 1980

Photosynthesis
D. C. Youvan and B. L. Marrs
Molecular Genetics and the Light Reactions of Photosynthesis, *39*, 1–3, 1984

Plasmid Replication
J. R. Broach
The Yeast Plasmid 2μ Circle, *28*, 203–204, 1982

Poliovirus, protein synthesis and
E. Ehrenfeld
Poliovirus-Induced Inhibition of Host-Cell Protein Synthesis, *28*, 435–436, 1982

Poliovirus, VPg
E. Wimmer
Genome-Linked Proteins of Viruses, *28*, 199–201, 1982

Polyadenylation
M. L. Birnstiel
Transcription Termination and 3′ Processing: The End Is in Site!, *41*, 349–359, 1984

Polyoma
P. Amati
Polyoma Regulatory Region: A Potential Probe for Mouse Cell Differentiation, *43*, 561–562, 1985

Polyoma, middle T
R. O. Hynes
Cellular Location of Viral Transforming Proteins, *21*, 601–602, 1980

Polyprotein
E. Herbert and M. Uhler
Biosynthesis of Polyprotein Precursors to Regulatory Peptides, *30*, 1–2, 1982

ppGpp
A. I. Lamond and A. A. Travers
Stringent Control of Bacterial Transcription, *41*, 6–8, 1984

Priming, RNA
R. M. Krug
Role of RNA Priming in Viral and Trypanosomal mRNA Synthesis, *41*, 651–652, 1985

Prion
H. D. Robertson, A. D. Branch, and J. E. Dahlberg
Focusing on the Nature of the Scrapie Agent, *40*, 725–727, 1985

Prolactin
I. Mittra
Somatomedins and Proteolytic Bioactivation of Prolactin and Growth Hormone, *38*, 347–348, 1984

Promoter, B. subtilis
R. Losick and J. Pero
Cascades of Sigma Factors, *25*, 582–584, 1981

Promoter, CAP and
S. Adhya and S. Garges
How Cyclic AMP and its Receptor Protein Act in E. coli, *29*, 287–289, 1982

Promoter, E. coli
U. Siebenlist, R. B. Simpson, and W. Gilbert
E. coli RNA Polymerase Interacts Homologously with Two Different Promoters, *20*, 269–281, 1980

G. R. Smith
DNA Supercoiling: Another Level for Regulating Gene Expression, *24*, 599–600, 1981

A. I. Lamond and A. A. Travers
Stringent Control of Bacterial Transcription, *41*, 6–8, 1984

J. Beckwith
A Genetic Approach to Characterizing Complex Promoters in E. coli, *23*, 307–308, 1981

Promoter, histone gene
C. C. Hentschel and M. L. Birnstiel
The Organization and Expression of Histone Gene Families, *25*, 301–313, 1981

Promoter, lambda
M. Ptashne, A. Jeffrey, A. D. Johnson, R. Maurer, B. J. Meyer, C. O. Pabo, T. M. Roberts, and R. T. Sauer
How the Lambda Repressor and Cro Work, *19*, 1–11, 1980

Promoter, nif
F. M. Ausubel

Regulation of Nitrogen Fixation Genes, *37*, 5–6, 1984

Promoter, pol III
D. D. Brown
The Role of Stable Complexes that Repress and Activate Eucaryotic Genes, *37*, 359–365, 1984

Promoter, SV40
R. Tjian
T Antigen Binding and the Control of SV40 Gene Expression, *26*, 1–2, 1981

Promoter, tRNA gene
B. D. Hall, S. G. Clarkson, and G. Tocchini-Valentini
Transcription Initiation of Eucaryotic Transfer RNA Genes, *29*, 3–5, 1982

Promoter, yeast
L. Guarente
Yeast Promoter: Positive and Negative Elements, *36*, 799–800, 1984

Protease
L. Patthy
Evolution of the Proteases of Blood Coagulation and Fibrinolysis by Assembly from Modules, *41*, 657–663, 1985

Protein degradation
A. Hershko
Ubiquitin: Roles in Protein Modification and Breakdown, *34*, 11–12, 1983

Protein synthesis, initiation
B. Safer
2B or Not 2B: Regulation of the Catalytic Utilization of eIF-2, *33*, 7–8, 1983

M. Kozak
Evolution of the "Scanning Model" for Initiation of Protein Synthesis in Eucaryotes, *22*, 7–8, 1980

A. J. Shatkin
mRNA Cap Binding Proteins: Essential Factors for Initiating Translation, *40*, 223–224, 1984

Protein synthesis, poliovirus and
E. Ehrenfeld
Poliovirus-Induced Inhibition of Host-Cell Protein Synthesis, *28*, 435–436, 1982

Protein transport
C. D. Lane
The Fate of Foreign Proteins Introduced into Xenopus Oocytes, *24*, 281–282, 1981

K. E. Mostov and N. E. Simister
Transcytosis, *43*, 389–390, 1985

P. Walter, R. Gilmore, and G. Blobel
Protein Translocation across the Endoplasmic Reticulum, *38*, 5–8, 1984

G. Schatz and R. A. Butow
How Are Proteins Imported into Mitochondria?, *32*, 316–318, 1983

W. G. Dunphy and J. E. Rothman
Compartmental Organization of the Golgi Stack, *42*, 13–21, 1984

E. M. DeRobertis
Nucleocytoplasmic Segregation of Proteins and RNAs, *32*, 1021–1025, 1983

A. M. Tartakoff
Perturbation of Vesicular Traffic with the Carboxylic Ionophore Monensin, *32*, 1026–1028, 1983

Pseudogene
P. F. R. Little
Globin Pseudogenes, *28*, 683–684, 1982

D. W. Cleveland
The Tubulins: From DNA to RNA to Protein and Back Again, *34*, 330–332, 1983

P. Jagadeeswaran, B. G. Forget, and S. M. Weissman
Short Interspersed Repetitive DNA Elements in Eucaryotes: Transposable DNA Elements Generated by Reverse Transcription of RNA Pol III Transcripts?, *26*, 141–142, 1981

RecA
J. W. Little and D. W. Mount
The SOS-Regulatory System of E. coli, *29*, 11–22, 1982

C. M. Radding
Recombination Activities of E. coli RecA Protein, *25*, 3–4, 1981

Receptor, acetylcholine
J. P. Merlie
Biogenesis of the Acetylcholine Receptor, a Multisubunit Integral Membrane Protein, *36*, 573–575, 1984

Receptor, EGF
G. Carpenter
Properties of the Receptor for Epidermal Growth Factor, *37*, 357–358, 1984

Receptor, growth factor
M. P. Czech
Structural and Functional Homologies in the Receptors for Insulin and the Insulin-Like Growth Factors, *31*, 8–10, 1982

Receptor, insulin
M. P. Czech
Structural and Functional Homologies in the Receptors for Insulin and the Insulin-Like Growth Factors, *31*, 8–10, 1982

Receptor, LDL
M. S. Brown, R. G. W. Anderson, and J. L. Goldstein
Recycling Receptors: The Round-Trip Itinerary of Migrant Membrane Proteins, *32*, 663–667, 1983

Receptor, PDGF
C. D. Stiles
The Molecular Biology of Platelet-Derived Growth Factor, *33*, 653–655, 1983

Receptor, recycling
M. S. Brown, R. G. W. Anderson, and J. L. Goldstein
Recycling Receptors: The Round-Trip Itinerary of Migrant Membrane Proteins, *32*, 663–667, 1983

Receptor, T cell
M. Cohn
The T-Cell Receptor Mediating Restrictive Recognition of Antigen, *33*, 657–669, 1983

M. Kronenberg, E. Kraig, and L. Hood
Finding the T-Cell Antigen Receptor: Past Attempts and Future Promise, *34*, 327–329, 1983

B. Pernis and R. Axel
A One and a Half Receptor Model for MHC-Restricted Antigen Recognition by T Lymphocytes, *41*, 13–16, 1985

E. S. Golub
Know Thyself: Autoreactivity in the Immune Response, *21*, 603–604, 1980

Recombination
J. W. Szostak, T. L. Orr-Weaver, R. J. Rothstein, and F. W. Stahl
The Double-Strand-Break Repair Model for Recombination, *33*, 25–35, 1983

G. R. Smith
Chi Hotspots of Generalized Recombination, *34*, 709–710, 1983

C. M. Radding
Recombination Activities of E. coli RecA Protein, *25*, 3–4, 1981

N. L. Craig
Site-Specific Inversion: Enhancers, Recombination Proteins, and Mechanism, *41*, 649–650, 1985

Recombination, 2μ plasmid
J. R. Broach
The Yeast Plasmid 2μ Circle, *28*, 203–204, 1982

Repair
S. Gottesman
Genetic Control of the SOS System in E. coli, *23*, 1–2, 1981

W. A. Haseltine
Ultraviolet Light Repair and Mutagenesis Revisited, *33*, 13–17, 1983

Repetitive DNA
M. F. Singer
SINEs and LINEs: Highly Repeated Short and Long Interspersed Sequences in Mammalian Genomes, *28*, 433–434, 1982

Replication
B. W. Stillman
The Replication of Adenovirus DNA with Purified Proteins, *35*, 7–9, 1983

J. A. Huberman
New Views of the Biochemistry of Eucaryotic DNA Replication Revealed by Aphidicolin, an Unusual Inhibitor of DNA Polymerase Alpha, *23*, 647–648, 1981

Replication, 2μ plasmid
J. R. Broach
The Yeast Plasmid 2μ Circle, *28*, 203–204, 1982

Replication, mitochondrial DNA
D. A. Clayton
Replication of Animal Mitochondrial DNA, *28*, 693–705, 1982

Replication, T7
C. C. Richardson
Bacteriophage T7: Minimal Requirements for the Replication of a Duplex DNA Molecule, *33*, 315–317, 1983

Repression, transcription
R. Brent
Repression of Transcription in Yeast, *42*, 3–4, 1985

Repressor, eukaryotes
D. D. Brown
The Role of Stable Complexes that Repress and Activate Eucaryotic Genes, *37*, 359–365, 1984

Repressor, lambda
M. Ptashne, A. Jeffrey, A. D. Johnson, R. Maurer, B. J. Meyer, C. O. Pabo, T. M. Roberts, and R. T. Sauer
How the Lambda Repressor and Cro Work, *19*, 1–11, 1980

Retroregulation
M. Gottesman, A. Oppenheim, and D. Court
Retroregulation: Control of Gene Expression from Sites Distal to the Gene, *29*, 727–728, 1982

Retrotransposon
D. Baltimore
Retroviruses and Retrotransposons: The Role of Reverse Transcription in Shaping the Eukaryotic Genome, *40*, 481–482, 1984

Retrovirus
A. B. Rabson and M. A. Martin
Molecular Organization of the AIDS Retrovirus, *40*, 477–480, 1985

R. A. Weinberg
Fewer and Fewer Oncogenes, *30*, 3–4, 1982

D. Baltimore
Retroviruses and Retrotransposons: The Role of Reverse Transcription in Shaping the Eukaryotic Genome, *40*, 481–482, 1984

Retrovirus, endogenous
R. Jaenisch
Endogenous Retroviruses, *32*, 5–6, 1983

R. A. Weinberg
Origins and Roles of Endogenous Retroviruses, *22*, 643–644, 1980

Retrovirus, gene transfer
R. D. Palmiter and R. L. Brinster
Transgenic Mice, *41*, 343–345, 1984

Retrovirus, LTR
A. T. Panganiban
Retroviral DNA Integration, *42*, 5–6, 1985

H. M. Temin
Function of the Retrovirus Long Terminal Repeat, *28*, 3–5, 1982

H. M. Temin
Structure, Variation and Synthesis of Retrovirus Long Terminal Repeats, *27*, 1–3, 1981

Retrovirus, oncogene
J. M. Bishop
Viral Oncogenes, *42*, 23–38, 1984

Retrovirus, origin
R. A. Weinberg
Origins and Roles of Endogenous Retroviruses, *22*, 643–644, 1980

J. M. Bishop
Enemies Within: the Genesis of Retrovirus Oncogenes, *23*, 5–6, 1981

H. M. Temin
Origin of Retroviruses from Cellular Moveable Genetic Elements, *21*, 599–600, 1980

Reverse transcription
A. T. Panganiban
Retroviral DNA Integration, *42*, 5–6, 1985

D. Baltimore
Retroviruses and Retrotransposons: The Role of Reverse Transcription in Shaping the Eukaryotic Genome, *40*, 481–482, 1984

P. Jagadeeswaran, B. G. Forget, and S. M. Weissman
Short Interspersed Repetitive DNA Elements in Eucaryotes: Transposable DNA Elements Generated by Reverse Transcription of RNA Pol III Transcripts?, *26*, 141–142, 1981

Reverse translation
R. A. Lerner, J. G. Sutcliffe, and T. M. Shinnick
Antibodies to Chemically Synthesized Peptides Predicted from DNA Sequences as Probes of Gene Expression, *23*, 309–310, 1981

Rhizobium
F. M. Ausubel
Molecular Genetics of Symbiotic Nitrogen Fixation, *29*, 1–2, 1982

F. M. Ausubel
Regulation of Nitrogen Fixation Genes, *37*, 5–6, 1984

Rho
W. W. Holmes, T. Platt, and M. Rosenberg
Termination of Transcription in E. coli, *32*, 1029–1032, 1983

T. Platt
Termination of Transcription and Its Regulation in the Tryptophan Operon of E. coli, *24*, 10–23, 1981

M. Gottesman, A. Oppenheim, and D. Court
Retroregulation: Control of Gene Expression from Sites Distal to the Gene, *29*, 727–728, 1982

Rhodopseudomonas
D. C. Youvan and B. L. Marrs
Molecular Genetics and the Light Reactions of Photosynthesis, *39*, 1–3, 1984

Ribonuclease III
M. Gottesman, A. Oppenheim, and D. Court
Retroregulation: Control of Gene Expression from Sites Distal to the Gene, *29*, 727–728, 1982

H. D. Robertson
Escherichia coli Ribonuclease III Cleavage Sites, *30*, 669–672, 1982

Ribonuclease P
S. Altman
Transfer RNA Processing Enzymes, *23*, 3–4, 1981

S. Altman
Aspects of Biochemical Catalysis, *36*, 237–239, 1984

Ribonucleases, E. coli
S. Altman
Transfer RNA Processing Enzymes, *23*, 3–4, 1981

M. P. Deutscher
E. coli RNases: Making Sense of Alphabet Soup, *40*, 731–732, 1984

Ribosomal DNA
R. H. Reeder
Enhancers and Ribosomal Gene Spacers, *38*, 349–351, 1984

D. M. Glover
The rDNA of Drosophila melanogaster, *26*, 297–298, 1981

Ribosomal protein operon
G. R. Bjork
E. coli Ribosomal Protein Operons: The Case of the Misplaced Genes, *42*, 7–8, 1984

Ribosomal RNA
J. F. Thompson and J. E. Hearst
Structure-Function Relations in E. coli 16S RNA, *33*, 19–24, 1983

T. A. Walker and N. R. Pace
5.8S Ribosomal RNA, *33*, 320–322, 1983

Ribosomal RNA, processing
M. P. Deutscher
E. coli RNases: Making Sense of Alphabet Soup, *40*, 731–732, 1984

Ribosome, accuracy
C. G. Kurland
Translational Accuracy in Vitro, *28*, 201–202, 1982

Ribosome, assembly
G. R. Bjork
E. coli Ribosomal Protein Operons: The Case of the Misplaced Genes, *42*, 7–8, 1984

Ribosome, scanning model
M. Kozak
Evolution of the "Scanning Model" for Initiation of Protein Synthesis in Eucaryotes, *22*, 7–8, 1980

Ribosome, structure
J. F. Thompson and J. E. Hearst

Structure-Function Relations in E. coli 16S RNA, *33*, 19–24, 1983

J. A. Lake
Evolving Ribosome Structure: Domains in Archaebacteria, Eubacteria, and Eucaryotes, *33*, 318–319, 1983

Ricin
E. S. Vitetta and J. W. Uhr
Immunotoxins: Redirecting Nature's Poisons, *41*, 653–654, 1984

RNA catalysis
P. A. Sharp
On the Origin of RNA Splicing and Introns, *42*, 397–400, 1985

T. R. Cech
RNA Splicing: Three Themes with Variations, *34*, 713–716, 1983

S. Altman
Aspects of Biochemical Catalysis, *36*, 237–239, 1984

F. J. Schmidt
RNA Splicing in Prokaryotes: Bacteriophage T4 Leads the Way, *41*, 339–340, 1985

RNA cleavage
M. L. Birnstiel
Transcription Termination and 3′ Processing: The End Is in Site!, *41*, 349–359, 1984

RNA polymerase III
D. D. Brown
The Role of Stable Complexes that Repress and Activate Eucaryotic Genes, *37*, 359–365, 1984

RNA polymerase III, promoter
B. D. Hall, S. G. Clarkson, and G. Tocchini-Valentini
Transcription Initiation of Eucaryotic Transfer RNA Genes, *29*, 3–5, 1982

RNA polymerase, E. coli
U. Siebenlist, R. B. Simpson, and W. Gilbert
E. coli RNA Polymerase Interacts Homologously with Two Different Promoters, *20*, 269–281, 1980

A. I. Lamond and A. A. Travers
Stringent Control of Bacterial Transcription, *41*, 6–8, 1984

RNA replication
P. A. Sharp
On the Origin of RNA Splicing and Introns, *42*, 397–400, 1985

L. A. Ball and G. W. Wertz
VSV RNA Synthesis: How Can You be Positive?, *26*, 143–144, 1981

E. Wimmer
Genome-Linked Proteins of Viruses, *28*, 199–201, 1982

RpoD
J. R. Lupski and G. N. Godson
The rpsU-dnaG-rpoD Macromolecular Synthesis Operon of E. coli, *39*, 251–252, 1984

RpsU
J. R. Lupski and G. N. Godson
The rpsU-dnaG-rpoD Macromolecular Synthesis Operon of E. coli, *39*, 251–252, 1984

Satellite DNA
H. G. Zachau and T. Igo-Kemenes
Face to Phase with Nucleosomes, *24*, 597–598, 1981

Scanning model
M. Kozak
Evolution of the "Scanning Model" for Initiation of Protein Synthesis in Eucaryotes, *22*, 7–8, 1980

Scrapie
H. D. Robertson, A. D. Branch, and J. E. Dahlberg
Focusing on the Nature of the Scrapie Agent, *40*, 725–727, 1985

Secretion
C. D. Lane
The Fate of Foreign Proteins Introduced into Xenopus Oocytes, *24*, 281–282, 1981

K. E. Mostov and N. E. Simister
Transcytosis, *43*, 389–390, 1985

Segmentation
W. J. Gehring
The Homeo Box: A Key to the Understanding of Development?, *40*, 3–5, 1984

D. L. Brower
The Sequential Compartmentalization of Drosophila Segments Revisited, *41*, 361–364, 1985

D. A. Weisblat
Segmentation and Commitment in the Leech Embryo, *42*, 701–702, 1985

J. L. Manley and M. S. Levine
The Homeo Box and Mammalian Development, *43*, 1–2, 1985

P. A. Lawrence and G. Morata
The Elements of the Bithorax Complex, *35*, 595–601, 1983

P. A. Lawrence
The Cellular Basis of Segmentation in Insects, *26*, 3–10, 1981

Semliki Forest Virus
J. Lenard and D. K. Miller
Uncoating of Enveloped Viruses, *28*, 5–6, 1982

Serum, cell growth and
D. Barnes and G. Sato
Serum-Free Cell Culture: a Unifying Approach, *22*, 649–655, 1980

Sigma, B. subtilis
R. Losick and J. Pero
Cascades of Sigma Factors, *25*, 582–584, 1981

Signal sequence
P. Walter, R. Gilmore, and G. Blobel
Protein Translocation across the Endoplasmic Reticulum, *38*, 5–8, 1984

G. Schatz and R. A. Butow
How Are Proteins Imported into Mitochondria?, *32*, 316–318, 1983

Silencer sequence
R. Brent
Repression of Transcription in Yeast, *42*, 3–4, 1985

SINE DNA
M. F. Singer
SINEs and LINEs: Highly Repeated Short and Long Interspersed Sequences in Mammalian Genomes, *28*, 433–434, 1982

Small nuclear RNA
B. Lewin
Alternatives for Splicing: Recognizing the Ends of Introns, *22*, 324–326, 1980

G. W. Zieve
Two groups of Small Stable RNAs, *25*, 296–297, 1981

M. R. Lerner and J. A. Steitz
Snurps and Scyrps, *25*, 298–300, 1981

M. L. Birnstiel
Transcription Termination and 3′ Processing: The End Is in Site!, *41*, 349–359, 1984

Sodium channel
W. A. Catterall
Sodium Channels in Electrically Excitable Cells, *30*, 672–674, 1982

Somatic mutation
D. Baltimore
Somatic Mutation Gains Its Place among the Generators of Diversity, *26*, 295–296, 1981

Somatomedin
I. Mittra
Somatomedins and Proteolytic Bioactivation of Prolactin and Growth Hormone, *38*, 347–348, 1984

SOS, E. coli
S. Gottesman
Genetic Control of the SOS System in E. coli, *23*, 1–2, 1981

J. W. Little and D. W. Mount
The SOS-Regulatory System of E. coli, *29*, 11–22, 1982

J. H. Miller
Carcinogens Induce Targeted Mutations in Escherichia coli, *31*, 5–7, 1982

SOS, eukaryotes
H. Echols
SOS Functions, Cancer and Inducible Evolution, *25*, 1–2, 1981

Spacer, histone genes
C. C. Hentschel and M. L. Birnstiel
The Organization and Expression of Histone Gene Families, *25*, 301–313, 1981

G. A. Dover and R. B. Flavell

Molecular Coevolution: rDNA Divergence and the Maintenance of Function, *38*, 622–623, 1984

Spacer, rDNA
R. H. Reeder
Enhancers and Ribosomal Gene Spacers, *38*, 349–351, 1984

D. M. Glover
The rDNA of Drosophila melanogaster, *26*, 297–298, 1981

G. A. Dover and R. B. Flavell
Molecular Coevolution: rDNA Divergence and the Maintenance of Function, *38*, 622–623, 1984

Spectrin
E. Lazarides and R. T. Moon
Assembly and Topogenesis of the Spectrin-Based Membrane Skeleton in Erythroid Development, *37*, 354–356, 1984

E. Lazarides and W. J. Nelson
Expression of Spectrin in Nonerythroid Cells, *31*, 505–508, 1982

Splicing
J. R. Nevins
Adenovirus Gene Expression: Control at Multiple Steps of mRNA Biogenesis, *28*, 1–2, 1982

B. Lewin
Alternatives for Splicing: Recognizing the Ends of Introns, *22*, 324–326, 1980

P. A. Sharp
On the Origin of RNA Splicing and Introns, *42*, 397–400, 1985

D. J. Weatherall and J. B. Clegg
Thalassemia Revisited, *29*, 7–9, 1982

D. D. Moore, M. A. Conkling, and H. M. Goodman
Human Growth Hormone: A Multigene Family, *29*, 285–286, 1982

J. Piatigorsky
Lens Crystallins and Their Gene Families, *38*, 620–621, 1984

T. R. Cech
RNA Splicing: Three Themes with Variations, *34*, 713–716, 1983

S. Altman
Aspects of Biochemical Catalysis, *36*, 237–239, 1984

W. Keller
The RNA Lariat: A New Ring to the Splicing of mRNA Precursors, *39*, 423–425, 1984

P. A. Sharp
Speculations on RNA Splicing, *23*, 643–646, 1981

F. J. Schmidt
RNA Splicing in Prokaryotes: Bacteriophage T4 Leads the Way, *41*, 339–340, 1985

Sporozoite
V. Nussenzweig and R. S. Nussenzweig
Circumsporozoite Proteins of Malaria Parasites, *42*, 401–403, 1984

Sporulation
R. Losick and J. Pero
Cascades of Sigma Factors, *25*, 582–584, 1981

Src
R. O. Hynes
Phosphorylation of Vinculin by pp60src: What Might It Mean?, *28*, 437–438, 1982

T. Hunter
Proteins Phosphorylated by the RSV Transforming Function, *22*, 647–648, 1980

R. O. Hynes
Cellular Location of Viral Transforming Proteins, *21*, 601–602, 1980

Stem cell
A. K. Hall
Stem Cell Is a Stem Cell Is a Stem Cell, *33*, 11–12, 1983

R. Levenson and D. Housman
Commitment: How Do Cells Make the Decision to Differentiate, *25*, 5–6, 1981

Stringent control
A. I. Lamond and A. A. Travers
Stringent Control of Bacterial Transcription, *41*, 6–8, 1984

Supercoiling
N. R. Cozzarelli
DNA Topoisomerases, *22*, 327–328, 1980

G. R. Smith
DNA Supercoiling: Another Level for Regulating Gene Expression, *24*, 599–600, 1981

J. C. Wang
The Path of DNA in the Nucleosome, *29*, 724–726, 1982

SV40, T antigen
R. Tjian
T Antigen Binding and the Control of SV40 Gene Expression, *26*, 1–2, 1981

T antigen
R. Tjian
T Antigen Binding and the Control of SV40 Gene Expression, *26*, 1–2, 1981

T cell receptor
M. Cohn
The T-Cell Receptor Mediating Restrictive Recognition of Antigen, *33*, 657–669, 1983

M. Kronenberg, E. Kraig, and L. Hood
Finding the T-Cell Antigen Receptor: Past Attempts and Future Promise, *34*, 327–329, 1983

L. Hood, M. Kronenberg, and T. Hunkapiller
T Cell Antigen Receptors and the Immunoglobulin Supergene Family, *40*, 225–229, 1984

B. Pernis and R. Axel
A One and a Half Receptor Model for MHC-Restricted Antigen Recognition by T Lymphocytes, *41*, 13–16, 1985

E. S. Golub
Know Thyself: Autoreactivity in the Immune Response, *21*, 603–604, 1980

T locus, mouse
L. M. Silver
Genetic Organization of the Mouse t Complex, *27*, 239–240, 1981

Telomere
E. H. Blackburn
Telomeres: Do the Ends Justify the Means?, *37*, 7–8, 1984

Teratoma
S. Strickland
Mouse Teratocarcinoma Cells: Prospects for the Study of Embryogenesis and Neoplasia, *24*, 277–278, 1981

Termination, transcription
W. W. Holmes, T. Platt, and M. Rosenberg
Termination of Transcription in E. coli, *32*, 1029–1032, 1983

J. Greenblatt
Regulation of Transcription Termination by the N Gene Protein of Bacteriophage Lambda, *24*, 8–9, 1981

T. Platt
Termination of Transcription and Its Regulation in the Tryptophan Operon of E. coli, *24*, 10–23, 1981

Thalassemia
D. J. Weatherall and J. B. Clegg
Thalassemia Revisited, *29*, 7–9, 1982

Thymidylate synthase
F. J. Schmidt
RNA Splicing in Prokaryotes: Bacteriophage T4 Leads the Way, *41*, 339–340, 1985

Tight junction
P. Pinto da Silva and B. Kachar
On Tight-Junction Structure, *28*, 441–450, 1982

Tla
E. A. Boyse
The Biology of Tla, *38*, 1–2, 1984

Tn3
N. D. F. Grindley
Transposition of Tn3 and Related Transposons, *32*, 3–5, 1983

Tn5
W. S. Reznikoff
Tn5 Transposition and Its Regulation, *31*, 307–308, 1982

Topoisomerase
N. R. Cozzarelli
DNA Topoisomerases, *22*, 327–328, 1980

G. R. Smith
DNA Supercoiling: Another Level for Regulating Gene Expression, *24*, 599–600, 1981

Trans activation
R. E. Kingston, A. S. Baldwin, and P. A. Sharp
Transcription Control by Oncogenes, *41*, 3–5, 1985

Transcription, initiation
D. D. Brown
The Role of Stable Complexes that Repress and Activate Eucaryotic Genes, *37*, 359–365, 1984

B. D. Hall, S. G. Clarkson, and G. Tocchini-Valentini
Transcription Initiation of Eucaryotic Transfer RNA Genes, *29*, 3–5, 1982

S. Adhya and S. Garges
How Cyclic AMP and its Receptor Protein Act in E. coli, *29*, 287–289, 1982

A. I. Lamond and A. A. Travers
Stringent Control of Bacterial Transcription, *41*, 6–8, 1984

R. E. Kingston, A. S. Baldwin, and P. A. Sharp
Transcription Control by Oncogenes, *41*, 3–5, 1985

Transcription, repression
R. Brent
Repression of Transcription in Yeast, *42*, 3–4, 1985

Transcription, termination
W. W. Holmes, T. Platt, and M. Rosenberg
Termination of Transcription in E. coli, *32*, 1029–1032, 1983

J. Greenblatt
Regulation of Transcription Termination by the N Gene Protein of Bacteriophage Lambda, *24*, 8–9, 1981

T. Platt
Termination of Transcription and Its Regulation in the Tryptophan Operon of E. coli, *24*, 10–23, 1981

M. L. Birnstiel
Transcription Termination and 3′ Processing: The End Is in Site!, *41*, 349–359, 1984

Transcytosis
K. E. Mostov and N. E. Simister
Transcytosis, *43*, 389–390, 1985

Transfer RNA, anticodon
U. Lagerkvist
Unorthodox Codon Reading and the Evolution of the Genetic Code, *23*, 305–306, 1981

Transfer RNA, processing
S. Altman
Transfer RNA Processing Enzymes, *23*, 3–4, 1981

S. Altman
Aspects of Biochemical Catalysis, *36*, 237–239, 1984

M. P. Deutscher
E. coli RNases: Making Sense of Alphabet Soup, *40*, 731–732, 1984

F. J. Schmidt
RNA Splicing in Prokaryotes: Bacteriophage T4 Leads the Way, *41*, 339–340, 1985

Transfer RNA, promoter
B. D. Hall, S. G. Clarkson, and G. Tocchini-Valentini
Transcription Initiation of Eucaryotic Transfer RNA Genes, *29*, 3–5, 1982

Transfer RNA, suppressor
J. R. Roth
Frameshift Suppression, *24*, 601–602, 1981

Transformation
J. M. Bishop
Viral Oncogenes, *42*, 23–38, 1984

Transgenic mice
R. D. Palmiter and R. L. Brinster
Transgenic Mice, *41*, 343–345, 1984

Translation, accuracy
C. G. Kurland
Translational Accuracy in Vitro, *28*, 201–202, 1982

Translocation
R. P. Perry
Consequences of myc Invasion of Immunoglobulin Loci: Facts and Speculations, *33*, 647–649, 1983

Translocation, chromosomal
G. Klein
Specific Chromosomal Translocations and the Genesis of B-Cell-Derived Tumors in Mice and Men, *32*, 311–315, 1983

Translocation, immunotoxin
E. S. Vitetta and J. W. Uhr
Immunotoxins: Redirecting Nature's Poisons, *41*, 653–654, 1984

Translocation, organelle
T. A. Schroer and R. B. Kelly
In Vitro Translocation of Organelles along Microtubules, *40*, 729–730, 1985

Transposition
N. D. F. Grindley
Transposition of Tn3 and Related Transposons, *32*, 3–5, 1983

A. T. Panganiban
Retroviral DNA Integration, *42*, 5–6, 1985

M. P. Calos and J. H. Miller
Transposable Elements, *20*, 579–595, 1980

H. -P. Doring and P. Starlinger
Barbara McClintock's Controlling Elements: Now at the DNA Level, *39*, 253–259, 1984

D. Baltimore
Retroviruses and Retrotransposons: The Role of Reverse Transcription in Shaping the Eukaryotic Genome, *40*, 481–482, 1984

P. Jagadeeswaran, B. G. Forget, and S. M. Weissman
Short Interspersed Repetitive DNA Elements in Eucaryotes: Transposable DNA Elements Generated by Reverse Transcription of RNA Pol III Transcripts?, *26*, 141–142, 1981

W. S. Reznikoff
Tn5 Transposition and Its Regulation, *31*, 307–308, 1982

Transposon, bacterial
M. P. Calos and J. H. Miller
Transposable Elements, *20*, 579–595, 1980

Transposon, Ds
H. -P. Doring and P. Starlinger
Barbara McClintock's Controlling Elements: Now at the DNA Level, *39*, 253–259, 1984

Transposon, retroviral
H. M. Temin
Origin of Retroviruses from Cellular Moveable Genetic Elements, *21*, 599–600, 1980

Treadmilling
D. W. Cleveland
Treadmilling of Tubulin and Actin, *28*, 689–691, 1982

Trypanosome
P. Borst and G. A. M. Cross
Molecular Basis for Trypanosome Antigenic Variation, *29*, 291–303, 1982

R. M. Krug
Role of RNA Priming in Viral and Trypanosomal mRNA Synthesis, *41*, 651–652, 1985

Tryptophan operon
T. Platt
Termination of Transcription and Its Regulation in the Tryptophan Operon of E. coli, *24*, 10–23, 1981

Tubulin gene
R. A. Firtel
Multigene Families Encoding Actin and Tubulin, *24*, 6–7, 1981

D. W. Cleveland
The Tubulins: From DNA to RNA to Protein and Back Again, *34*, 330–332, 1983

Tubulin
D. W. Cleveland
Treadmilling of Tubulin and Actin, *28*, 689–691, 1982

Tumorigenesis
J. M. Bishop
Viral Oncogenes, *42*, 23–38, 1984

Ty element
D. Baltimore
Retroviruses and Retrotransposons: The Role of Reverse Transcription in Shaping the Eukaryotic Genome, *40*, 481–482, 1984

Ubiquitin
A. Hershko

Ubiquitin: Roles in Protein Modification and Breakdown, *34*, 11–12, 1983

Ultraviolet
W. A. Haseltine
Ultraviolet Light Repair and Mutagenesis Revisited, *33*, 13–17, 1983

Uncoating, enveloped virus
J. Lenard and D. K. Miller
Uncoating of Enveloped Viruses, *28*, 5–6, 1982

UV response
M. Karin
Metallothioneins: Proteins in Search of Function, *41*, 9–10, 1984

Villin
M. S. Mooseker
Actin Binding Proteins of the Brush Border, *35*, 11–13, 1983

Vimentin
P. M. Steinert, A. C. Steven, and D. R. Roop
The Molecular Biology of Intermediate Filaments, *42*, 411–419, 1984

E. Lazarides
Intermediate Filaments—Chemical Heterogeneity in Differentiation, *23*, 649–650, 1981

Vinculin
R. O. Hynes
Phosphorylation of Vinculin by pp60src: What Might It Mean?, *28*, 437–438, 1982

Viroids
H. D. Robertson, A. D. Branch, and J. E. Dahlberg
Focusing on the Nature of the Scrapie Agent, *40*, 725–727, 1985

VSG (variant surface glycoprotein)
P. Borst and G. A. M. Cross
Molecular Basis for Trypanosome Antigenic Variation, *29*, 291–303, 1982

VSV G protein
W. G. Dunphy and J. E. Rothman
Compartmental Organization of the Golgi Stack, *42*, 13–21, 1984

VSV Replication
L. A. Ball and G. W. Wertz
VSV RNA Synthesis: How Can You be Positive?, *26*, 143–144, 1981

R. A. Lazzarini, J. D. Keene, and M. Schubert
The Origins of Defective Interfering Particles of the Negative-Strand RNA Viruses, *26*, 145–154, 1981

VSV Structure
J. Lenard and D. K. Miller
Uncoating of Enveloped Viruses, *28*, 5–6, 1982

Water
A. B. Fulton
How Crowded is the Cytoplasm?, *30*, 345–347, 1982

X chromosome, inactivation
S. Strickland
Mouse Teratocarcinoma Cells: Prospects for the Study of Embryogenesis and Neoplasia, *24*, 277–278, 1981

G. R. Martin
X-Chromosome Inactivation in Mammals, *29*, 721–724, 1982

Xenopus oocyte
C. D. Lane
The Fate of Foreign Proteins Introduced into Xenopus Oocytes, *24*, 281–282, 1981

Y chromosome
A. J. Hilliker, R. Appels, and A. Schalet
The Genetic Analysis of D. melanogaster Heterochromatin, *21*, 607–619, 1980

W. K. Silvers, D. L. Gasser, and E. M. Eicher
H-Y Antigen, Serologically Detectable Male Antigen and Sex Determination, *28*, 439–440, 1982

S. S. Wachtel
Where is the H-Y Structural Gene?, *22*, 3–4, 1980

Z DNA
C. R. Cantor
DNA Choreography, *25*, 293–295, 1981